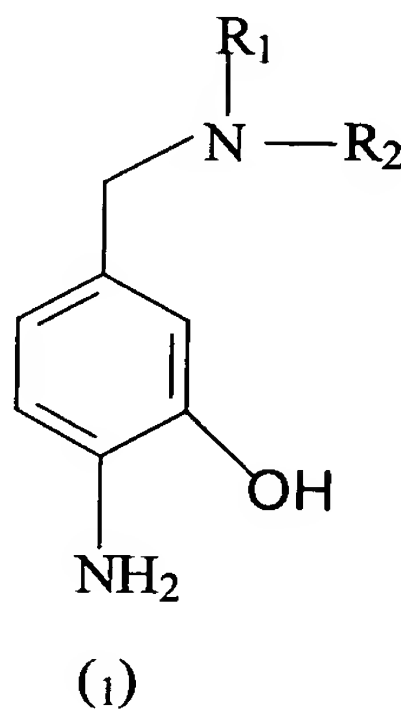


(4)

ABSTRACT

Primary intermediates for hair coloring compositions for oxidative dyeing of hair are compounds of the formula (1):



where R_1 and R_2 are each individually selected from a hydrogen atom, a C_1 to C_3 alkyl group, a C_1 to C_5 mono or dihydroxyalkyl group, phenyl or benzyl optionally substituted with an alkoxy group, or R_1 and R_2 together with the nitrogen atom to which they are attached form a piperazine, piperidine, imidazole, or morpholine ring.